Heuristic Analysis

Custom Score

	Description
custom_score	Use heuristic value opposite Open Move
custom_score2	Multiply a random number (0 \sim 1) and a score to square of the distance from the center of the board to the position of the player.
custom_score3	Multiply a random number (0 \sim 1) and the number of moves available to the two players.

Results

I tried 100 attempts. Using a random number like <code>custom_store3</code> rather than a simple An "improved" evaluation function raised the score.

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		Playing	g Matches		
		******	**** ******	**	
Match #	Opponent	AB_Improved	AB_Custom	AB_Custom_2	AB_Custom_
		Won Lost	Won Lost	Won Lost	Won Los
1	Random	94 6	91 9	95 5	94 6
2	MM_Open	78 22	69 31	74 26	79 21
3	MM_Center	88 12	86 14	84 16	89 11
4	MM_Improved	68 32	70 30	64 36	77 23
5	AB_0pen	46 54	49 51	46 54	59 41
6	AB_Center	53 47	52 48	61 39	59 41
7	AB_Improved	47 53	40 60	52 48	50 50
	Win Rate:	67.7%	 65 . 3%	 68 . 0%	72 . 4%